

***Performance Test of HHO Generator Dry Type With Number Variation Electrodes***

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***ABSTRACT***

*HHO Generator is a device that utilizes water as a energy resources and it used to separates element of hydrogen (H<sub>2</sub>) and oxygen (O<sub>2</sub>) through electrolysis process. To increase HHO Generator performance becomes important, because at this moment HHO still has some deficiency. This study aims to do variations in number of electrodes that is 1 pair, 2 pairs, and 3 pairs using descriptive statistical methods of data analysis. This generator is designed using electrodes made from 304 stainless steel with dimensions of 15cm x 15cm and 1mm thick. The results showed that increasing the number of electrodes will increase production rate, but with the improvement of power input then generator efficiency decreased. The best generator efficiency is 9.32%. When generator used two pairs of electrodes then efficiency is 7.16% and when using three pairs of electrodes the efficiency is 4.009%*

*Keyword: generator, HHO, electrodes.*